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NEWS 2 JAN 12 Match STN Content and Features to Your Information
Needs, Quickly and Conveniently
NEWS 3 JAN 25 Annual Reload of MEDLINE database
NEWS 4 FEB 16 STN Express Maintenance Release, Version 8.4.2, Is
Now Available for Download
NEWS 5 FEB 16 Derwent World Patents Index (DWPI) Revises Indexing
of Author Abstracts
NEWS 6 FEB 16 New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 7 FEB 16 INPADOCDB and INPAFAMDB Enriched with New Content
and Features
NEWS 8 FEB 16 INSPEC Adding Its Own IPC codes and Author's E-mail
Addresses
NEWS 9 APR 02 CAS Registry Number Crossover Limits Increased to
500,000 in Key STN Databases
NEWS 10 APR 02 PATDPAFULL: Application and priority number formats
enhanced
NEWS 11 APR 02 DWPI: New display format ALLSTR available
NEWS 12 APR 02 New Thesaurus Added to Derwent Databases for Smooth
Sailing through U.S. Patent Codes
NEWS 13 APR 02 EMBASE Adds Unique Records from MEDLINE, Expanding
Coverage back to 1948
NEWS 14 APR 07 CA/CAPLUS CLASS Display Streamlined with Removal of
Pre-IPC 8 Data Fields
NEWS 15 APR 07 50,000 World Traditional Medicine (WTM) Patents Now
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NEWS 19 JUN 18 CAS and FIZ Karlsruhe announce plans for a new
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NEWS 20 JUN 18 IPC codes have been added to the INSPEC backfile
(1969-2009)
NEWS 21 JUN 21 Removal of Pre-IPC 8 data fields streamline displays
in CA/CAPLUS, CASREACT, and MARPAT
NEWS 22 JUN 21 Access an additional 1.8 million records exclusively
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NEWS 23 JUN 28 Introducing "CAS Chemistry Research Report": 40 Years
of Biofuel Research Reveal China Now Atop U.S. in
Patenting and Commercialization of Bioethanol
NEWS 24 JUN 29 Enhanced Batch Search Options in DGENE, USGENE,
and PCTGEN

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,

AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:53:13 ON 10 JUL 2010

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 11:53:31 ON 10 JUL 2010
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STRUCTURE FILE UPDATES: 9 JUL 2010 HIGHEST RN 1230076-27-3
DICTIONARY FILE UPDATES: 9 JUL 2010 HIGHEST RN 1230076-27-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

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<http://www.cas.org/support/stngen/stdoc/properties.html>

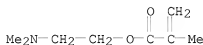
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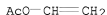
=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2010 ACS on STN
RN 434331-06-3 REGISTRY
ED Entered STN: 27 Jun 2002
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with ethenyl acetate, block (9CI) (CA INDEX NAME)

OTHER NAMES:
 CN Dimethylaminoethyl methacrylate-vinyl acetate block copolymer
 MF (C8 H15 N O2 . C4 H6 O2)x
 CI PMS, COM
 PCT Polyacrylic, Polyvinyl
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 CM 1
 CRN 2867-47-2
 CMF C8 H15 N O2



CM 2
 CRN 108-05-4
 CMF C4 H6 O2



3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	3.08	3.30

FILE 'CAPLUS' ENTERED AT 11:54:47 ON 10 JUL 2010
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FILE COVERS 1907 - 10 Jul 2010 VOL 153 ISS 3
 FILE LAST UPDATED: 9 Jul 2010 (20100709/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s 434331-06-3/rn
      3 434331-06-3
      0 434331-06-3D
L3      3 434331-06-3/RN
      (434331-06-3 (NOTL) 434331-06-3D )
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L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2004:857346 CAPLUS
DN 141:337259
TI Dimethylaminoethyl methacrylate-vinyl acetate ABA block copolymers for
IN hair styling composition
   Adams, Gerald; Khoshdel, Ezat; Kosinski, Aleksandra Teresa; Kuznitz,
   Matthew Fred; Muir, Karen Elizabeth; Plant, Yvonne Christine; Seper,
   Jennifer Marie
PA Unilever Plc, UK; Unilever Nv; Hindustan Lever Limited
SO PCT Int. Appl., 39 pp.
   CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087081	A1	20041014	WO 2004-EP2852	20040318
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1608325	A1	20051228	EP 2004-721513	20040318
	EP 1608325	B1	20070110		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
	JP 2006522042	T	20060928	JP 2006-504736	20040318
	JP 4324194	B2	20090902		
	ES 2279355	T3	20070816	ES 2004-721513	20040318
	US 20060263317	A1	20061123	US 2006-551631	20060803
PRAI	EP 2003-252063	A	20030401		
	WO 2004-EP2852	W	20040318		

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
RE.CNT 4      THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
      ALL CITATIONS AVAILABLE IN THE RE FORMAT
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=> d 13 1-3

```
L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2004:857346 CAPLUS
```

DN 141:337259
 TI Dimethylaminoethyl methacrylate-vinyl acetate ABA block copolymers for hair styling composition
 IN Adams, Gerald; Khoshdel, Ezat; Kosinski, Aleksandra Teresa; Kuznits, Matthew Fred; Muir, Karen Elizabeth; Plant, Yvonne Christine; Seper, Jennifer Marie
 PA Unilever Plc, UK; Unilever Nv; Hindustan Lever Limited
 SO PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087081	A1	20041014	WO 2004-EP2852	20040318
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1608325	A1	20051228	EP 2004-721513	20040318
EP 1608325	B1	20070110		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
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JP 4324194	B2	20090902		
ES 2279355	T3	20070816	ES 2004-721513	20040318
US 20060263317	A1	20061123	US 2006-551631	20060803
PRAI EP 2003-252063	A	20030401		
WO 2004-EP2852	W	20040318		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2003:877214 CAPLUS
 DN 140:199858
 TI Synthesis and properties of amphiphilic vinyl acetate triblock copolymers prepared by copper mediated living radical polymerisation
 AU Batt-Coutrot, Delphine; Haddleton, David M.; Jarvis, Adam P.; Kelly, Ray L.
 CS Department of Chemistry, University of Warwick, Coventry, CV4 7AL, UK
 SO European Polymer Journal (2003), 39(12), 2243-2252
 CODEN: EUPJAG; ISSN: 0014-3057
 PB Elsevier Science B.V.
 DT Journal
 LA English
 OSC.G 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (20 CITINGS)
 RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2002:26964 CAPLUS
 DN 137:20613
 TI Block polymers
 AU Anon.

CS UK
 SO Research Disclosure (2001), 452(Dec.), P2030-P2040 (No. 452055)
 CODEN: RSDSBB; ISSN: 0374-4353
 PB Kenneth Mason Publications Ltd.
 DT Journal; Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RD 452055		20011210	RD 2001-452055	20011210
PRAI	RD 2001-452055		20011210		

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
11.32	14.62

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 11:56:51 ON 10 JUL 2010

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LOGINID:SSPIACRL1616

PASSWORD:

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NEWS 11	APR 02	DWPI: New display format ALLSTR available
NEWS 12	APR 02	New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
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NEWS 14	APR 07	CA/Caplus CLASS Display Streamlined with Removal of

Pre-IPC 8 Data Fields

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NEWS 22 JUN 21 Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN

NEWS 23 JUN 28 Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol

NEWS 24 JUN 29 Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2, AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

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STRUCTURE FILE UPDATES: 9 JUL 2010 HIGHEST RN 1230076-27-3
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TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

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<http://www.cas.org/support/stngen/stdoc/properties.html>

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Uploading C:\Program Files\STNEXP\Queries\10551631.str



chain nodes :
1 2 3 4 5 6 7
chain bonds :
1-2 1-5 1-6 2-3 2-4 3-7
exact/norm bonds :
2-3 3-7
exact bonds :
1-2 1-5 1-6 2-4

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS

L1 STRUCTURE UPLOADED

=> s l1 fam sam

STRUCTURES CONTAINING VARIABLE NODES NOT VALID IN EXACT OR FAMILY SEARCH
You have requested a full structure (EXA or FAM) search on a structure containing one of the special variable-atom symbols A, M, Q, or X, or a variable group G. Only bond variability is allowed in structures for EXA or FAM searches. Variable nodes are never permitted.

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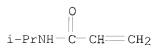
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SEARCH TIME: 00.00.01

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BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 5197820 TO 5257780
PROJECTED ANSWERS: 28991 TO 33741

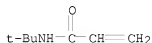
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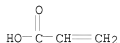
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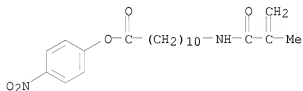
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CM 5

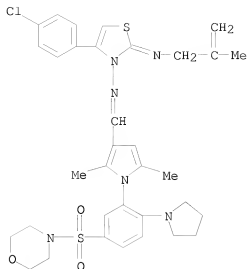


L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN Undecanoic acid, 11-[(2-methyl-1-oxo-2-propen-1-yl)amino]-, 4-nitrophenyl
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 CI COM



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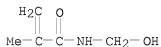
L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 3-Thiazolamine, 4-(4-chlorophenyl)-N-[[2,5-dimethyl-1-[5-(4-morpholinylsulfonyl)-2-(1-pyrrolidinyl)phenyl]-1H-pyrrol-3-yl]methylene]-2,3-dihydro-2-[(2-methyl-2-propen-1-yl)imino]-
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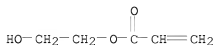
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate,
 2-hydroxyethyl 2-propenoate, N-(hydroxymethyl)-2-methyl-2-propenamide and
 methyl 2-methyl-2-propenoate, graft (9CI)
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 CI PMS

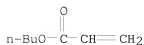
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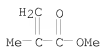
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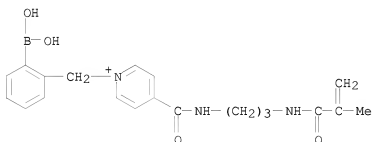
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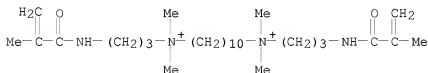
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L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
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 MF C20 H25 B N3 O4
 CI COM



L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 1,10-Decanediaminium, N1,N1,N10,N10-tetramethyl-N1,N10-bis[3-[(2-methyl-1-oxo-2-propen-1-yl)amino]propyl]-, chloride (1:2)
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 CI COM

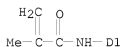


● 2 Cl⁻

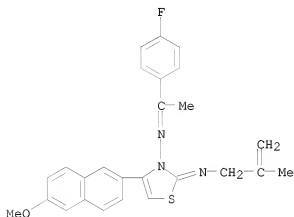
L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 2-Propenamide, N-(hydroxyphenyl)-2-methyl- (9CI)
 MF C10 H11 N O2
 CI IDS, COM



D1-OH

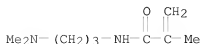


L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 3(2H)-Thiazolamine, N-[1-(4-fluorophenyl)ethylidene]-4-(6-methoxy-2-naphthalenyl)-2-[(2-methyl-2-propen-1-yl)imino]-
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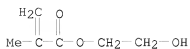


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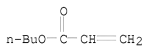
L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with butyl 2-propenoate, N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide, ethenylbenzene, 2-hydroxyethyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and 2-propenyl 2-methyl-2-propenoate, graft (9CI)
 MF (C10 H14 O4 . C9 H18 N2 O . C8 H8 . C7 H12 O2 . C7 H10 O2 . C6 H10 O3 . C5 H8 O2)x
 CI PMS
 CM 1



CM 2



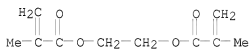
CM 3



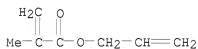
CM 4



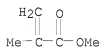
CM 5



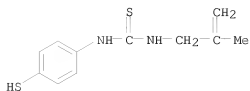
CM 6



CM 7



L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN Thiourea, N-(4-mercaptophenyl)-N'-(2-methyl-2-propen-1-yl)-
 MF C11 H14 N2 S2



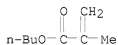
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate,
 ethenylbenzene, methyl 2-methyl-2-propenoate and 2-methyl-2-propenamide,
 graft (9CI)
 MF (C8 H14 O2 . C8 H8 . C5 H8 O2 . C4 H7 N O . C4 H6 O2)x
 CI PMS

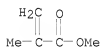
CM 1



CM 2



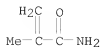
CM 3



CM 4



CM 5



ALL ANSWERS HAVE BEEN SCANNED

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.94

3.16

STN INTERNATIONAL LOGOFF AT 12:04:41 ON 10 JUL 2010

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTACRL1616

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JAN 12 Match STN Content and Features to Your Information
Needs, Quickly and Conveniently
NEWS 3 JAN 25 Annual Reload of MEDLINE database
NEWS 4 FEB 16 STN Express Maintenance Release, Version 8.4.2, Is
Now Available for Download
NEWS 5 FEB 16 Derwent World Patents Index (DWPI) Revises Indexing
of Author Abstracts
NEWS 6 FEB 16 New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 7 FEB 16 INPADOCDB and INPAFAMDB Enriched with New Content
and Features
NEWS 8 FEB 16 INSPEC Adding Its Own IPC codes and Author's E-mail
Addresses
NEWS 9 APR 02 CAS Registry Number Crossover Limits Increased to
500,000 in Key STN Databases
NEWS 10 APR 02 PATDPAFULL: Application and priority number formats
enhanced
NEWS 11 APR 02 DWPI: New display format ALLSTR available
NEWS 12 APR 02 New Thesaurus Added to Derwent Databases for Smooth
Sailing through U.S. Patent Codes
NEWS 13 APR 02 EMBASE Adds Unique Records from MEDLINE, Expanding
Coverage back to 1948
NEWS 14 APR 07 CA/CAPLUS CLASS Display Streamlined with Removal of
Pre-IPC 8 Data Fields
NEWS 15 APR 07 50,000 World Traditional Medicine (WTM) Patents Now
Available in CAPLUS
NEWS 16 APR 07 MEDLINE Coverage Is Extended Back to 1947
NEWS 17 JUN 16 WPI First View (File WPIFV) will no longer be
available after July 30, 2010
NEWS 18 JUN 18 DWPI: New coverage - French Granted Patents
NEWS 19 JUN 18 CAS and FIZ Karlsruhe announce plans for a new
STN platform

NEWS 20 JUN 18 IPC codes have been added to the INSPEC backfile
(1969-2009)

NEWS 21 JUN 21 Removal of Pre-IPC 8 data fields streamline displays
in CA/Caplus, CASREACT, and MARPAT

NEWS 22 JUN 21 Access an additional 1.8 million records exclusively
enhanced with 1.9 million CAS Registry Numbers --
EMBASE Classic on STN

NEWS 23 JUN 28 Introducing "CAS Chemistry Research Report": 40 Years
of Biofuel Research Reveal China Now Atop U.S. in
Patenting and Commercialization of Bioethanol

NEWS 24 JUN 29 Enhanced Batch Search Options in DGENE, USGENE,
and PCTGEN

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
specific topic.

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agreement. This agreement limits use to scientific research. Use
for software development or design, implementation of commercial
gateways, or use of CAS and STN data in the building of commercial
products is prohibited and may result in loss of user privileges
and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:11:16 ON 10 JUL 2010

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 12:11:28 ON 10 JUL 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUL 2010 HIGHEST RN 1230076-27-3
DICTIONARY FILE UPDATES: 9 JUL 2010 HIGHEST RN 1230076-27-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

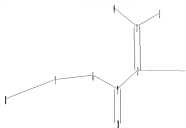
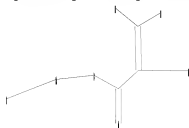
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10551631a.str



chain nodes :
1 2 3 4 5 6 7 8 9 10
chain bonds :
1-2 1-3 1-4 2-5 2-9 6-7 6-9 7-8 9-10
exact/norm bonds :
6-7 6-9 7-8 9-10
exact bonds :
1-2 1-3 1-4 2-5 2-9

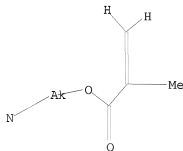
Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 12:12:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 20972 TO ITERATE

9.5% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

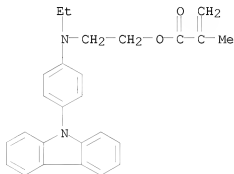
BATCH **COMPLETE**
 PROJECTED ITERATIONS: 410767 TO 428113
 PROJECTED ANSWERS: 31502 TO 36446

L2 50 SEA SSS SAM L1

=> d scan 12

L2 50 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN INDEX NAME NOT YET ASSIGNED
 MF (C26 H26 N2 O2)x
 CI PMS

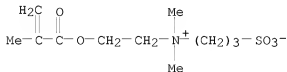
CM 1



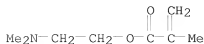
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

L2 50 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 1-Propanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]-3-sulfo-, inner salt, polymer with butyl 2-propenoate, 2-(dimethylamino)ethyl 2-methyl-2-propenoate and 1,1'-(1,2-ethanediyl)bis(2-methyl-2-propenoate)
 MF (C11 H21 N O5 S . C10 H14 O4 . C8 H15 N O2 . C7 H12 O2)x
 CI PMS

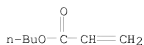
CM 1



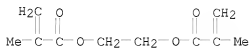
CM 2



CM 3

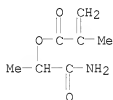


CM 4



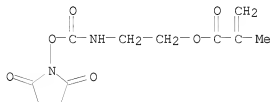
L2 50 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 2-Propenoic acid, 2-methyl-, 2-amino-1-methyl-2-oxoethyl ester,
 homopolymer
 MF (C7 H11 N O3)x
 CI PMS

CM 1

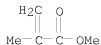


L2 50 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 2-Propenoic acid, 2-methyl-, polymer with
 2-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]ethyl
 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate
 MF (C11 H14 N2 O6 . C5 H8 O2 . C4 H6 O2)x
 CI PMS

CM 1



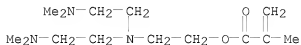
CM 2



CM 3



L2 50 ANSWERS REGISTRY COPYRIGHT 2010 ACS on SIN
IN 2-Propenoic acid, 2-methyl-, 2-[bis[2-(dimethylamino)ethyl]amino]ethyl
ester
MF C14 H29 N3 O2
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l1 sss full
FULL SEARCH INITIATED 12:16:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 422627 TO ITERATE

100.0% PROCESSED 422627 ITERATIONS 34226 ANSWERS
SEARCH TIME: 00.00.06

L3 34226 SEA SSS FUL L1

=> select rn l3
ENTER ANSWER NUMBER OR RANGE (1-):1-34226
E# OR SYSTEM LIMIT REACHED WHILE PROCESSING ANSWER 999
E1 THROUGH E999 ASSIGNED

=> s l3 and 108-05-4/crn
15616 108-05-4/CRN
L4 440 L3 AND 108-05-4/CRN

=> s l4 and 2/nc
3896129 2/NC
L5 26 L4 AND 2/NC

=> d l5 1-26

L5 ANSWER 1 OF 26 REGISTRY COPYRIGHT 2010 ACS on SIN
RN 1007107-88-1 REGISTRY
ED Entered STN: 07 Mar 2008
CN 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,2-

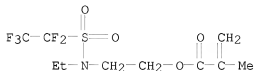
pentafluoroethyl)sulfonylamino]ethyl ester, polymer with ethenyl acetate,
block (CA INDEX NAME)

MF (C10 H14 F5 N O4 S . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 679-15-2

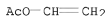
CMF C10 H14 F5 N O4 S



CM 2

CRN 108-05-4

CMF C4 H6 O2



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN

RN 1000615-37-1 REGISTRY

ED Entered STN: 23 Jan 2008

CN 2-Propenoic acid, 2-methyl-, 2-[[[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)oxy]carbonyl]amino]ethyl ester, polymer with ethenyl acetate (CA INDEX NAME)

MF (C15 H14 F13 N O4 . C4 H6 O2)x

CI PMS

PCT Polyacrylic, Polyvinyl

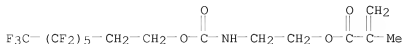
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 103381-02-8

CMF C15 H14 F13 N O4



CM 2

CRN 108-05-4

CMF C4 H6 O2

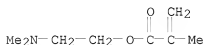
AcO-CH=CH₂

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 3 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 842127-05-3 REGISTRY
ED Entered STN: 04 Mar 2005
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
ethenyl acetate, triblock (9CI) (CA INDEX NAME)
MF (C8 H15 N O2 . C4 H6 O2)x
CI PMS, COM
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 2867-47-2
CMF C8 H15 N O2



CM 2

CRN 108-05-4
CMF C4 H6 O2

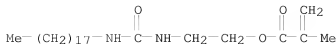
AcO-CH=CH₂

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 4 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 479071-69-7 REGISTRY
ED Entered STN: 15 Jan 2003
CN 2-Propenoic acid, 2-methyl-, 2-[[[octadecylamino]carbonyl]amino]ethyl
ester, polymer with ethenyl acetate (9CI) (CA INDEX NAME)
MF (C25 H48 N2 O3 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

CM 1

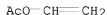
CRN 479071-68-6
CMF C25 H48 N2 O3



CM 2

CRN 108-05-4

CMF C4 H6 O2



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 5 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN

RN 479071-64-2 REGISTRY

ED Entered STN: 15 Jan 2003

CN 2-Propenoic acid, 2-methyl-, 2-[[[(tridecyloxy)carbonyl]amino]ethyl ester, polymer with ethenyl acetate (9CI) (CA INDEX NAME)

MF (C20 H37 N O4 . C4 H6 O2)x

CI PMS

PCT Polyacrylic, Polyvinyl

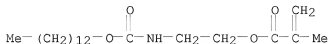
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 305814-54-4

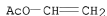
CMF C20 H37 N O4



CM 2

CRN 108-05-4

CMF C4 H6 O2



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 6 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN

RN 434331-06-3 REGISTRY

ED Entered STN: 27 Jun 2002

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with ethenyl acetate, block (9CI) (CA INDEX NAME)

OTHER NAMES:

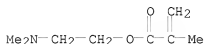
CN Dimethylaminoethyl methacrylate-vinyl acetate block copolymer

MF (C8 H15 N O2 . C4 H6 O2)x

CI PMS, COM
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

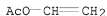
CM 1

CRN 2867-47-2
CMF C8 H15 N O2



CM 2

CRN 108-05-4
CMF C4 H6 O2



3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

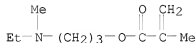
L5 ANSWER 7 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 329910-77-2 REGISTRY
ED Entered STN: 04 Apr 2001
CN 2-Propenoic acid, 2-methyl-, 3-(ethylmethylanino)propyl ester, polymer
with ethenyl acetate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acetic acid ethenyl ester, polymer with 3-(ethylmethylanino)propyl
2-methyl-2-propenoate (9CI)
MF (C10 H19 N O2 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 305814-00-0
CMF C10 H19 N O2



CM 2

CRN 108-05-4
CMF C4 H6 O2

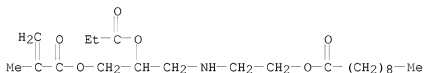
AcO-CH=CH₂

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 8 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 220728-72-3 REGISTRY
ED Entered STN: 26 Mar 1999
CN Decanoic acid, 2-[[3-[(2-methyl-1-oxo-2-propenyl)oxy]-2-(1-oxopropoxy)propyl]amino]ethyl ester, polymer with ethenyl acetate (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with
2-[[3-[(2-methyl-1-oxo-2-propenyl)oxy]-2-(1-oxopropoxy)propyl]amino]ethyl
decanoate (9CI)
MF (C22 H39 N O6 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 220728-71-2
CMF C22 H39 N O6



CM 2

CRN 108-05-4
CMF C4 H6 O2

AcO-CH=CH₂

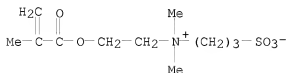
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 9 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 172503-72-9 REGISTRY
ED Entered STN: 23 Jan 1996
CN 1-Propanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]-3-sulfo-, inner salt, polymer with ethenyl acetate (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-3-sulfo-, inner salt, polymer with ethenyl acetate (9CI)
CN Acetic acid ethenyl ester, polymer with
N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-3-sulfo-1-propanaminium inner salt (9CI)
OTHER NAMES:

CN Dimethyl(2-methacryloyloxyethyl)-1-(3-sulfpropyl)ammonium-vinyl acetate
 copolymer
 MF (C11 H21 N O5 S . C4 H6 O2)x
 CI PMS
 PCT Polyacrylic, Polyvinyl
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER

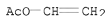
 CM 1

 CRN 3637-26-1
 CMF C11 H21 N O5 S



CM 2

 CRN 108-05-4
 CMF C4 H6 O2



5 REFERENCES IN FILE CA (1907 TO DATE)
 5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

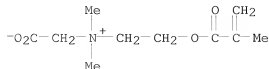
L5 ANSWER 10 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
 RN 147398-78-5 REGISTRY
 ED Entered STN: 06 May 1993
 CN Ethanaminium, N-(carboxymethyl)-N,N-dimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxyl]-, inner salt, polymer with ethenyl acetate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acetic acid ethenyl ester, polymer with
 N-(carboxymethyl)-N,N-dimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxylethanaminium inner salt (9CI)
 MF (C10 H17 N O4 . C4 H6 O2)x
 CI PMS
 PCT Polyacrylic, Polyvinyl
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

 CRN 62723-61-9
 CMF C10 H17 N O4



CM 2

CRN 108-05-4

CMF C4 H6 O2

AcO-CH=CH₂

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 11 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN

RN 146263-92-5 REGISTRY

ED Entered STN: 03 Mar 1993

CN 1-Propanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-3-sulfo-, inner salt, polymer with ethenyl acetate, graft (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acetic acid ethenyl ester, polymer with
N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-3-sulfo-1-
propanaminium inner salt, graft (9CI)
(C11 H21 N O5 S . C4 H6 O2)x

MF (C11 H21 N O5 S . C4 H6 O2)x

CI PMS

PCT Polyacrylic, Polyvinyl

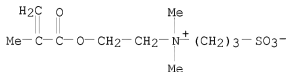
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 3637-26-1

CMF C11 H21 N O5 S



CM 2

CRN 108-05-4

CMF C4 H6 O2

AcO-CH=CH₂

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 12 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN

RN 145197-48-4 REGISTRY

ED Entered STN: 06 Jan 1993

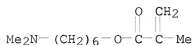
CN 2-Propenoic acid, 2-methyl-, 6-(dimethylamino)hexyl ester, polymer with
ethenyl acetate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acetic acid ethenyl ester, polymer with 6-(dimethylamino)hexyl
2-methyl-2-propenoate (9CI)
MF (C12 H23 N O2 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

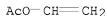
CM 1

CRN 20602-93-1
CMF C12 H23 N O2



CM 2

CRN 108-05-4
CMF C4 H6 O2



- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 13 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 140715-32-8 REGISTRY
ED Entered STN: 26 Apr 1992
CN Benzenemethanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-, polymer with ethenyl acetate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

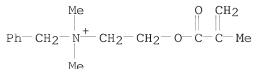
CN Acetic acid ethenyl ester, polymer with
N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]benzenemethanaminium (9CI)

OTHER NAMES:

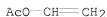
CN 2-(Benzyldimethylammonio)ethyl methacrylate-vinyl acetate copolymer
MF (C15 H22 N O2 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 62849-97-2
CMF C15 H22 N O2



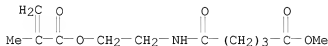
CM 2
CRN 108-05-4
CMF C4 H6 O2



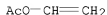
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 14 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 140434-88-4 REGISTRY
ED Entered STN: 10 Apr 1992
CN Pentanoic acid, 5-[[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]amino]-5-oxo-,
methyl ester, polymer with ethenyl acetate, graft (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with methyl
5-[[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]amino]-5-oxopentanoate, graft
(9CI)
MF (C12 H19 N O5 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

CM 1
CRN 130978-27-7
CMF C12 H19 N O5



CM 2
CRN 108-05-4
CMF C4 H6 O2



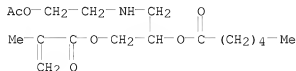
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 15 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 140434-80-6 REGISTRY
ED Entered STN: 10 Apr 1992
CN Hexanoic acid, 1-[[[2-(acetyloxy)ethyl]amino]methyl]-2-[[2-methyl-1-oxo-2-
propenyl]oxy]ethyl ester, polymer with ethenyl acetate, graft (9CI) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with
1-[[[2-(acetyloxy)ethyl]amino]methyl]-2-[[2-methyl-1-oxo-2-

propenyl)oxy]ethyl hexanoate, graft (9CI)
 MF (C17 H29 N O6 . C4 H6 O2)x
 CI PMS
 PCT Polyacrylic, Polyvinyl
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 131026-27-2
 CMF C17 H29 N O6



CM 2

CRN 108-05-4
 CMF C4 H6 O2



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 16 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
 RN 140434-76-0 REGISTRY
 ED Entered STN: 10 Apr 1992
 CN Heptanoic acid, 1-[(butylamino)methyl]-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, polymer with ethenyl acetate, graft (9CI) (CA INDEX NAME)

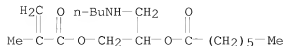
OTHER CA INDEX NAMES:

CN Acetic acid ethenyl ester, polymer with
 1-[(butylamino)methyl]-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl heptanoate,
 graft (9CI)

MF (C18 H33 N O4 . C4 H6 O2)x
 CI PMS
 PCT Polyacrylic, Polyvinyl
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 131004-58-5
 CMF C18 H33 N O4



CM 2

CRN 108-05-4
CMF C4 H6 O2

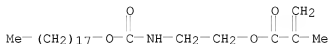
AcO-CH=CH₂

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 17 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 138004-70-3 REGISTRY
ED Entered STN: 21 Dec 1991
CN 2-Propenoic acid, 2-methyl-, 2-[[[octadecyloxy]carbonyl]amino]ethyl ester,
polymer with ethenyl acetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with
2-[[[octadecyloxy]carbonyl]amino]ethyl 2-methyl-2-propenoate (9CI)
MF (C25 H47 N O4 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 138004-69-0
CMF C25 H47 N O4



CM 2

CRN 108-05-4
CMF C4 H6 O2

AcO-CH=CH₂

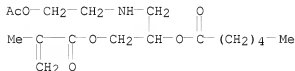
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 18 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 131026-28-3 REGISTRY
ED Entered STN: 14 Dec 1990
CN Hexanoic acid, 1-[[[2-(acetyloxy)ethyl]amino]methyl]-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, polymer with ethenyl acetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with
1-[[[2-(acetyloxy)ethyl]amino]methyl]-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hexanoate (9CI)
MF (C17 H29 N O6 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl

SR CA
LC STN Files: CA, CAPLUS, USPATFULL

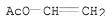
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CRN 131026-27-2
CMF C17 H29 N O6



CM 2

CRN 108-05-4
CMF C4 H6 O2

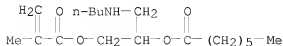


6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 19 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 131004-59-6 REGISTRY
ED Entered STN: 14 Dec 1990
CN Heptanoic acid, 1-[(butylamino)methyl]-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, polymer with ethenyl acetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with 1-[(butylamino)methyl]-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl heptanoate (9CI)
MF (C18 H33 N O4 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

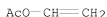
CM 1

CRN 131004-58-5
CMF C18 H33 N O4



CM 2

CRN 108-05-4
CMF C4 H6 O2

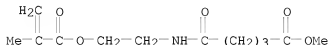


5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 20 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 130978-28-8 REGISTRY
ED Entered STN: 14 Dec 1990
CN Pentanoic acid, 5-[[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]amino]-, methyl ester, polymer with ethenyl acetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with methyl 5-[[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]amino]pentanoate (9CI)
MF (C12 H19 N O5 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

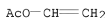
CM 1

CRN 130978-27-7
CMF C12 H19 N O5



CM 2

CRN 108-05-4
CMF C4 H6 O2

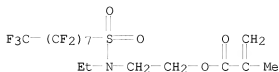


6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 21 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 121035-17-4 REGISTRY
ED Entered STN: 09 Jun 1989
CN 2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with ethenyl acetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate (9CI)
MF (C16 H14 F17 N O4 S . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

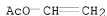
CM 1

CRN 376-14-7
CMF C16 H14 F17 N O4 S



CM 2

CRN 108-05-4
CMF C4 H6 O2

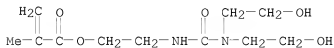


2 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 22 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 111256-39-4 REGISTRY
ED Entered STN: 14 Nov 1987
CN 2-Propenoic acid, 2-methyl-, 2-[[[bis(2-hydroxyethyl)amino]carbonyl]amino]ethyl ester, polymer with ethenyl acetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with 2-[[[bis(2-hydroxyethyl)amino]carbonyl]amino]ethyl 2-methyl-2-propenoate (9CI)
MF (C11 H20 N2 O5 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

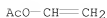
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CRN 111256-30-5
CMF C11 H20 N2 O5



CM 2

CRN 108-05-4
CMF C4 H6 O2

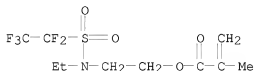


2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 23 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 102771-83-5 REGISTRY
ED Entered STN: 21 Jun 1986
CN 2-Propenoic acid, 2-methyl-, 2-
[ethyl[(pentafluoroethyl)sulfonyl]amino]ethyl ester, polymer with ethenyl
acetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with
2-[ethyl[(pentafluoroethyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate
(9CI)
MF (C10 H14 F5 N O4 S . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

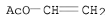
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CRN 679-15-2
CMF C10 H14 F5 N O4 S



CM 2

CRN 108-05-4
CMF C4 H6 O2



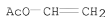
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 24 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 79934-72-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymer with
ethenyl acetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with 2-(diethylamino)ethyl
2-methyl-2-propenoate (9CI)
MF (C10 H19 N O2 . C4 H6 O2)x
CI PMS, COM
PCT Polyacrylic, Polyvinyl
LC STN Files: CA, CAPLUS

CM 1

CRN 108-05-4

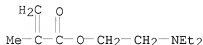
CMF C4 H6 O2



CM 2

CRN 105-16-8

CMF C10 H19 N O2



3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 25 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN

RN 53489-11-5 REGISTRY

ED Entered STN: 16 Nov 1984

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with ethenyl acetate (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acetic acid ethenyl ester, polymer with 2-(dimethylamino)ethyl 2-methyl-2-propenoate (9CI)

OTHER NAMES:

CN 2-(Dimethylamino)ethyl methacrylate-vinyl acetate copolymer

CN 2-(Dimethylamino)ethyl methacrylate-vinyl acetate polymer

CN Dimethylaminoethyl methacrylate-vinyl acetate copolymer

CN Dimethylaminoethyl methacrylate-vinyl acetate polymer

CN N,N-Dimethylaminoethyl methacrylate-vinyl acetate copolymer

CN National 102-1209

CN National 102-1256

MF (C8 H15 N O2 . C4 H6 O2)x

CI PMS

PCT Polyacrylic, Polyvinyl

LC STN Files: CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUIDB, TOXCENTER, USPATFULL

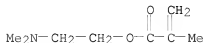
Other Sources: NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 2867-47-2

CMF C8 H15 N O2



CM 2

CRN 108-05-4

CMF C4 H6 O2

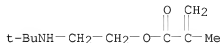
AcO-CH=CH₂

21 REFERENCES IN FILE CA (1907 TO DATE)
21 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 26 OF 26 REGISTRY COPYRIGHT 2010 ACS on STN
RN 35830-54-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester,
polymer with ethenyl acetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid ethenyl ester, polymer with 2-[(1,1-dimethylethyl)amino]ethyl
2-methyl-2-propenoate (9CI)
OTHER NAMES:
CN N-tert-Butylaminoethyl methacrylate-vinyl acetate polymer
CN tert-Butylaminoethyl methacrylate-vinyl acetate polymer
CN Vinyl acetate-2-tert-butylaminoethyl methacrylate copolymer
CN Vinyl acetate-2-tert-butylaminoethyl methacrylate polymer
CN Vinyl acetate-tert-butylaminoethyl methacrylate copolymer
MF (C10 H19 N O2 . C4 H6 O2)x
CI PMS
PCT Polyacrylic, Polyvinyl
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL, USPATOLD

CM 1

CRN 3775-90-4
CMF C10 H19 N O2



CM 2

CRN 108-05-4
CMF C4 H6 O2

AcO-CH=CH₂

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	357.91	358.13

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FILE COVERS 1907 - 10 Jul 2010 VOL 153 ISS 3
FILE LAST UPDATED: 9 Jul 2010 (20100709/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

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      80819 HAIR
      6270 HAIRS
      83630 HAIR
            (HAIR OR HAIRS)
      15388 KERATIN
      18840 KERATINS
      25120 KERATIN
            (KERATIN OR KERATINS)
L6          3 L5 AND (HAIR OR KERATIN)
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'ABST' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
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The following are valid formats:

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ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
CLASS ----- IPC, NCL, ECLA, FTERM
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
          SCAN must be entered on the same line as the DISPLAY,
          e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, CLASS
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IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

 HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
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 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

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 ENTER DISPLAY FORMAT (BIB):bib

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2004:857346 CAPLUS
 DN 141:337259
 TI Dimethylaminoethyl methacrylate-vinyl acetate ABA block copolymers for
 hair styling composition
 IN Adams, Gerald; Khoshdel, Ezat; Kosinski, Aleksandra Teresa; Kuznitz,
 Matthew Fred; Muir, Karen Elizabeth; Plant, Yvonne Christine; Seper,
 Jennifer Marie
 PA Unilever Plc, UK; Unilever Nv; Hindustan Lever Limited
 SO PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2004087081	A1	20041014	WO 2004-EP2852	20040318
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				
	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				

TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
 SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
 TD, TG

EP 1608325 A1 20051228 EP 2004-721513 20040318
 EP 1608325 B1 20070110

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK

JP 2006522042 T 20060928 JP 2006-504736 20040318

JP 4324194 B2 20090902

ES 2279355 T3 20070816 ES 2004-721513 20040318

US 20060263317 A1 20061123 US 2006-551631 20060803

PRAI EP 2003-252063 A 20030401

WO 2004-EP2852 W 20040318

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1993:219464 CAPLUS

DN 118:219464

OREF 118:37713a,37716a

TI Hair dyeing compositions

IN Fukunishi, Akira; Rikuta, Kazufumi

PA Sanyo Chemical Industries Ltd., Japan; Tokyo Eazoru Kagaku Kk

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05025026	A	19930202	JP 1991-208440	19910724
JP 3499573	B2	20040223		
PRAI JP 1991-208440		19910724		

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1993:27258 CAPLUS

DN 118:27258

OREF 118:4941a,4944a

TI Preparation of amphoteric polymers as hair-setting agents

IN Uchiyama, Yujiro; Ogasawara, Motomi

PA Osaka Yuki Kagaku Kogyo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04193822	A	19920713	JP 1990-328193	19901127
PRAI JP 1990-328193		19901127		

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

=> s 15 and (hair or keratin or cosmetic)

57 L5

80819 HAIR

6270 HAIRS

83630 HAIR
 (HAIR OR HAIRS)
 15388 KERATIN
 18840 KERATINS
 25120 KERATIN
 (KERATIN OR KERATINS)
 80165 COSMETIC
 80280 COSMETICS
 108051 COSMETIC
 (COSMETIC OR COSMETICS)
 L7 3 L5 AND (HAIR OR KERATIN OR COSMETIC)

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	ENTRY	SESSION
FULL ESTIMATED COST	18.45	376.58

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